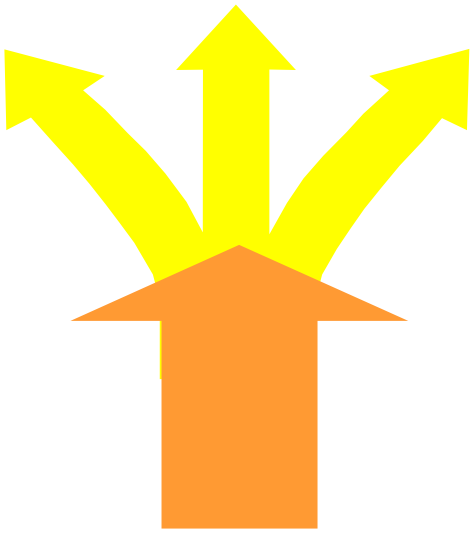
NSTC

NASA SAFETY TRAINING CENTER

Safety Course

317, Safety in High Pressure Operations



This is a modified version of the two-day NSTC class on safety in liquid and gaseous high-pressure systems that concentrates on those elements that are necessary for technicians and operators of such systems. It addresses the safety requirements and potential hazards associated with these systems and their operations. This course will cover important operating considerations for pressure vessels/systems including inspection and test requirements, the certification/re-certification process, and hazards (such as vessel rupture, blast effects, fragmentation, and leakage of flammable, toxic, and asphyxiating fluids/gasses). The focus of the course is on ground high-pressure gaseous systems, and flight/payload system requirements will not be discussed.

Target Audience:
The course is designed for Safety, Reliability, Quality, and Maintainability Professionals, and Supervisors of high-pressure operations. Anyone designing, writing procedures for, or working with/around high-pressure ground systems maintenance, inspection, and/or supervision and accomplishment of operations involved with high pressure ground systems.

Dates:
June 15, 2006
8:00-4:30

Location:
MSFC
Building 4200, Room G13D

This course provides 1.2 Continuing Education Units

Instructor:
Mr. Robert “Bob” Fischer, Principal Engineer, employed with Quantum Technology Services Inc., (QTSI), Cocoa Beach, FL, holds a B.S. degree in Aeronautical Engineering from the University of Colorado.. He has extensive experience in fluids systems design, fabrication and operations as associated with missile and space launch ground support equipment. Although his expertise is in cryogenic systems, he was supervisor of the Converter Compressor Facility gaseous supply facilities for the Apollo and Space Shuttle programs at the Kennedy Space Center (KSC). He has been manager of cryogenic design groups both for NASA contractors and private industry. During his 30 plus years in the propellants field, he has presented papers at various seminars and corporate executive briefings. In addition, he still remains as a supporting guest on the KSC Pressure Vessel/System Certification Committee. Although retired, he has served as a consultant for many NASA contractors requiring his expertise in design and certification of propellant systems.